

7.0 Level 2 Screening Analysis Evaluation

The Level 1 Screening analysis determined that six (6) alternatives appeared to meet purpose and need, and were independent and feasible solutions (see Figure 2). These alternatives were submitted to further study in preparation for the Level 2 Screening Analysis.

The evaluation process for Level 2 is similar to that used for Level 1, utilizing a performance/value based process to compare each alternative and the performance each alternative offers with regard to improvement of the SR 302 corridor. The study team proposed eight criteria against which each alternative could be measured:

- SR 302 Mainline Operations and Safety
- Operations and Safety on Local Roads
- Archeological / Cultural / 4(f) / Agricultural / Land Use
- Relocations / Social / Environmental Justice / Noise / Visual
- Wetlands / Wildlife and Terrestrial Habitat
- Fish / Surface Water / Aquatic Habitat
- Project Schedule / Phasing
- Improve Travel Times

On December 10, the Study Advisory Committee met to compare and rank these criteria for the purpose of developing community input into the Level 2 process. The results were inconclusive, as there was significant disagreement on relative importance of the criteria among those in attendance. On January 7, 2009, the six alternatives promoted for further study after Level 1 Screening (alternative 3, 4, 6, 7, 10, and 11) were evaluated by the Washington State Department of Transportation and HDR Engineering as part of the Level 2 Screening Analysis. The criteria were confirmed and comparative weightings assigned by the same team of WSDOT managers and staff who participated in the Level 1 exercise. The team collaborated in determining a performance score in each criteria and for each alternative. The results of the evaluation found that Alternatives 4, 6, 7, and 10 provided the best overall value as compared to the other alternatives. The complete evaluation process and results are provided in Appendix D.

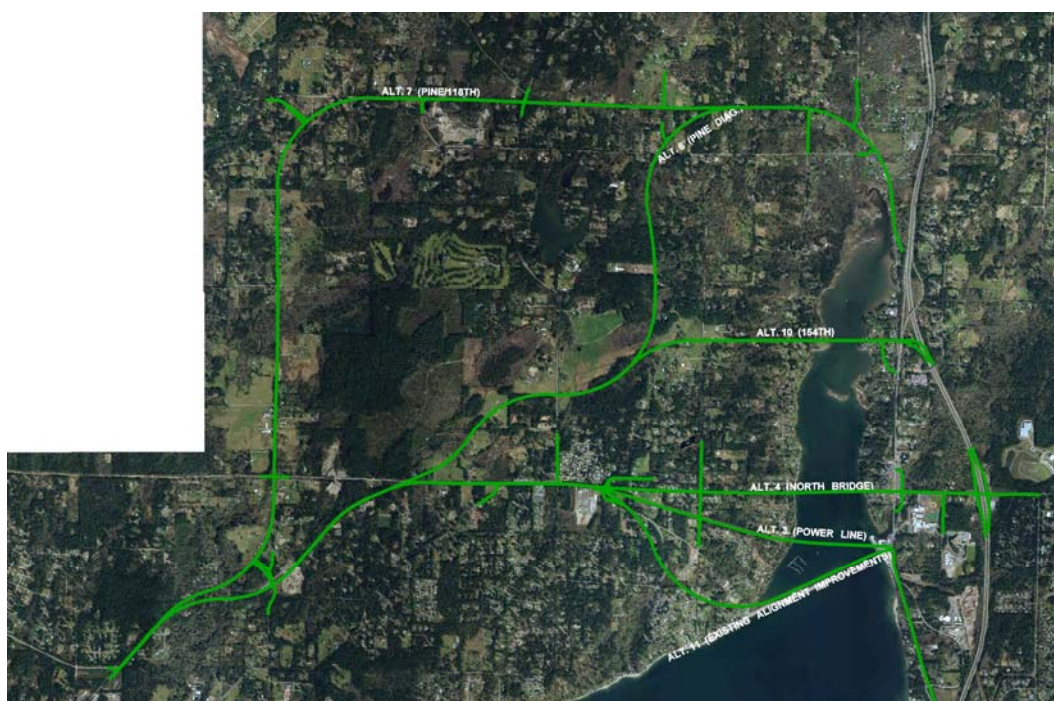


Figure 2: SR 302 Alternatives Evaluated in Level 2